

7/14

PATENT
IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicants: Mukerji, et al.

Serial No.: 10/060,793

Filed: January 30, 2002

For: DESATURASE GENES, ENZYMES
ENCODED THEREBY AND USES THEREOF

Case No.: 6884.US.01

Group Art No.: 1645

Examiner: (not yet assigned)

Certificate of Mailing Under 37
C.F.R. §1.10(a)

I hereby certify that this paper
(along with any paper referred to as
being attached or enclosed) is being
deposited with the United States
Postal Service on the date shown
below with sufficient postage as
first class mail in an envelope
addressed to the:

Commissioner for Patents
Washington D.C. 20231

Date of Deposit: (130)

Kimberly A. Morio

Date

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington D.C. 20231

Prior to an examination of the above-referenced
application on the merits, please amend the application as
follows:

IN THE SPECIFICATION:

Please replace page 9, line 13 - page 10, line 6 with
the following:

Figure 1 is a schematic showing the biosynthetic
pathway leading to the production of various PUFAs.

Figure 2 is the nucleotide sequence of *sdd17* (SEQ ID
NO: 25), a gene derived from *S. diclina* (ATCC 56851) that
encodes a novel ω3-fatty acid desaturase.